Software: **FieldWorker Pro** 1.2.6
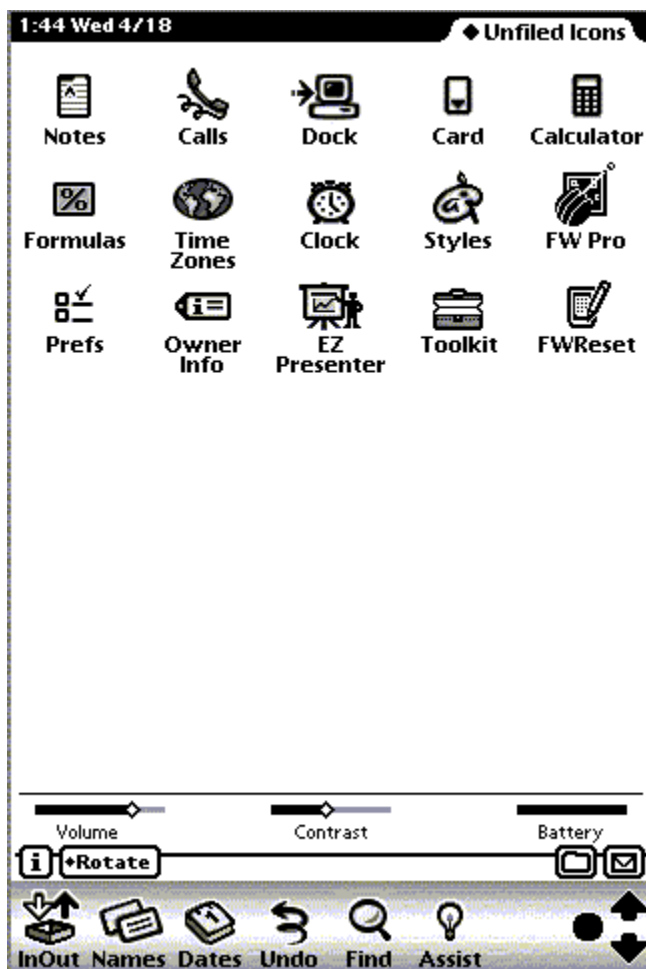
Platforms: **Newton** MP130, MP2000, MP2100

Description

Instructions on collecting point, line and polygon (area) features using a GPS and FieldWorker Pro on the Newton PDA platform.

Instructions

1) Open FieldWroker on the Newton by tapping the FW Pro icon.

2) Open a FieldWorker project by tapping the ♦ at the top enter of the screen; choose "Geodata Collector".

3) Enter a unique site name in the Station line.

4) Select the type of feature to be collected: point, line or polygon (area), from the menu to the left of the "GPS" icon.

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┌─────────────┬──────────────────────────────┐
│ ◆ Project   │ ◆ GeoData Collector 1.0      │
├─────────────┼────────────────────────────┬─┤
│ ◆ Station   │ Field-01                  44│ │
│             │                        ◄─┼─►│ │
├──┬──┬──┬────┴────────────────────────────┘ │
│●●│ •│PS│◆Display      4/18/2001  1:37 pm    │
│  │ /│ ═│                                    │
│  │ Δ│                                       │
├──┴──┴───┬──────────────────────────┬───────┤
│◆ Screen │ ◆ GPS Data               │◄─┼─►  │
└─────────┴──────────────────────────┴───────┘

   Field Name                    Value

◆ Area(ac) ............   ═

◆ Length(ft) ..........   ═

◆ Sketch ..............   ┌────Enter────┐
                         └─────────────┘

◆ Comments ...........   ▤ ...............................

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┌─────────────────────────────────────────────┐
│ ⊘ ⓘ ⌨ ▦ │              ◆Show  ✉ ✕ │
└─────────────────────────────────────────────┘

  ⬇     📇     📖    ⟳     🔍     💡        ●  ▲
                                               ▼
InOut Names  Dates  Undo  Find  Assist
```

5) Select a FPS option from the ♦ to the right of the "GPS" icon.

Last Point Only: When speed is important and the accuracy of a single reading from your GPS receiver is acceptable.

Average of All Points: Improves accuracy by averaging all readings taken from open to close of a FPS connection.

Average from Display: Review a scatter diagram of FPS readings so that outliers can be eliminated before an average is taken.
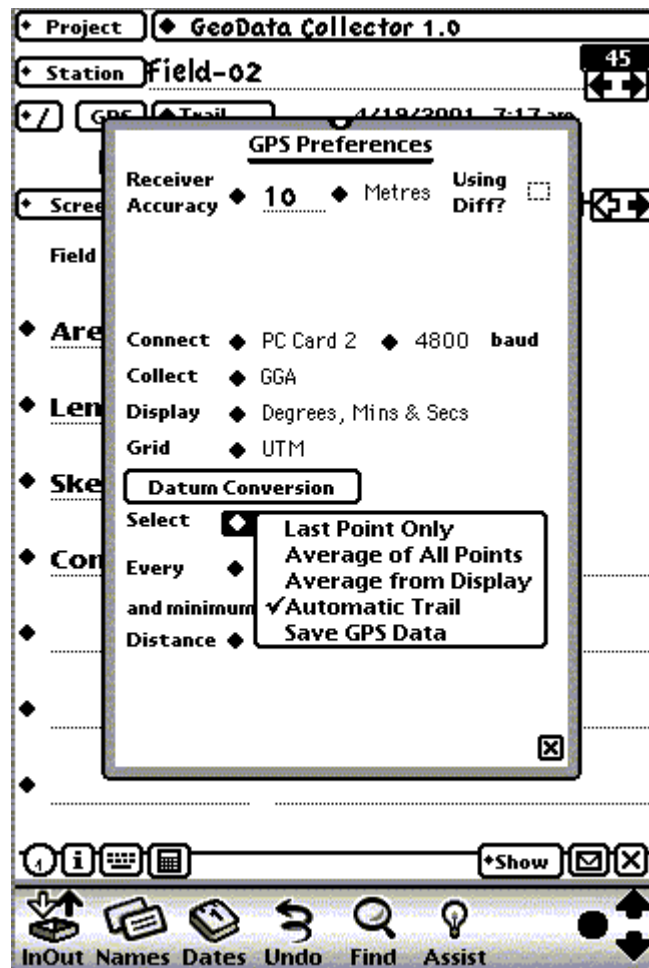
Save FPS Data: Saves NMEA sentences during a GPS connection.

Automatic Trail: User sets time and distance intervals for taking automatic readings.
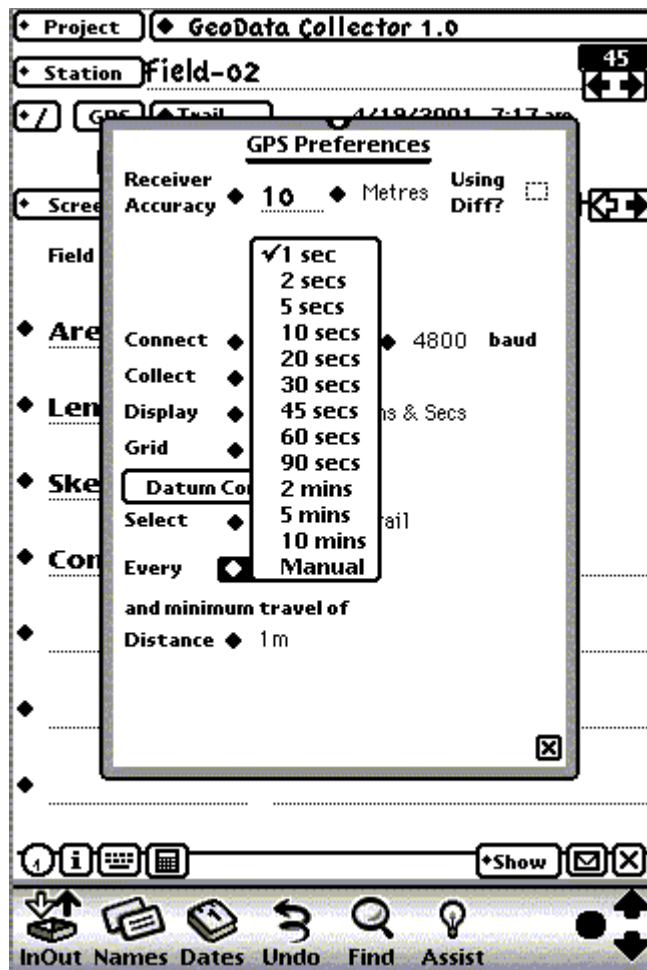
> To set the Automatic Trail intervals select the **i** icon in the lower left part of the screen and select GPS Preferences.

Tap the "Select" menu and choose Automatic Trail.

Tap the "Every" menu and choose a time interval.

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┌─────────────────────────────────────────────────┐
│ ◆ Project  ◆ GeoData Collector 1.0              │
│ ◆ Station  Field-02                        45   │
│ ◆ / ( GPS )( ▲ Trail        4/19/2001  7:17 am  │
│         ┌──── GPS Preferences ────┐             │
│ ◆ Scree │ Receiver          Using │             │
│         │ Accuracy ◆ 10 ◆ Metres  │ Diff? □     │
│   Field │      ┌──────────┐       │             │
│         │      │√1 sec    │       │             │
│ ◆ Are   │      │ 2 secs   │       │             │
│         │ Connect ◆ │ 5 secs   │ ◆ 4800  baud │
│         │ Collect ◆ │ 10 secs  │              │
│ ◆ Len   │ Display ◆ │ 20 secs  │ s & Secs     │
│         │ Grid    ◆ │ 30 secs  │              │
│ ◆ Ske   │ Datum Co │ 45 secs  │              │
│         │ Select  ◆ │ 60 secs  │ ail          │
│ ◆ Con   │ Every   ◆ │ 90 secs  │              │
│         │           │ 2 mins   │              │
│ ◆       │ and minimum│ 5 mins   │             │
│         │ Distance ◆ │ 10 mins  │             │
│ ◆       │            │ Manual   │             │
│         │            └──────────┘             │
│ ◆       │                         ⊠           │
│         └─────────────────────────┘             │
│ ① ⓘ ⌨ ▦ _____ ◆Show ✉ ✕             │
│ InOut Names Dates Undo Find Assist              │
└─────────────────────────────────────────────────┘
```

Tap the "Distance" menu and choose a distance interval, then close GPS Preferences Screen.

6) Tap the "GPS" icon to start a GPS connection; coordinate information will appear. Tap the "GPS" icon to complete (point features).

To end GPS collection for polygon features tap the GPS polygon icon then "Done"; tap "Acres" to display acreage information.

To end GPS collection for line features tap the GPS line icon and "Done"; tap "Length" to display length information (ft.).

Created: **4/27/2001** Last Modified: **5/14/2001**